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	Application No.	Applicant(s)	
Notice of Allowability	10/644,975	TSENG ET AL.	
	Examiner	Art Unit	
	Kevin Quarterman	2879	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course.	
1. This communication is responsive to <u>24 April 2006</u> .		·	
2. The allowed claim(s) is/are <u>1-20,22,23,25,27 and 29-34.</u>	. •		
 Acknowledgment is made of a claim for foreign priority unapplication. All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application.	national stage application from	ents
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER es reason(s) why the oath or declara	S AMENDMENT or NOTICE tion is deficient.	OF
 CORRECTED DRAWINGS (as "replacement sheets") muse (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date 	on's Patent Drawing Review (PTO-		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			e
Attachment(s)		·	
1. Notice of References Cited (PTO-892)		atent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 6. ☐ Interview Summary Paper No./Mail Dat 	· · · · · · · · · · · · · · · · · · ·	•
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 	·		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance	
	9. Other		

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 24 April 2006 has been entered.

Allowable Subject Matter

- 2. Claims 1-20, 22-23, 25, 27, 29-34 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: Applicant has amended independent claims 1 and 30 to include a limitation that the nanoscale metal particle comprises Au, Ag, Ge, Se, Sn, Sb, Te, or Ga. Applicant argues that this limitation is not taught in the prior art. Applicant's arguments in view of the amendment are persuasive.
- 4. Thus, regarding independent claim 1, the prior art of record neither shows or suggests an organic electroluminescent device comprising, in addition to other limitations of the claim, a nanostructured organic electroluminescent recovery layer comprising dielectric or organic material doped with nanoscale metal particles, wherein the nanoscale metal particle comprises Au, Ag, Ge, Se, Sn, Sb, Te, or Ga. Due to their dependency upon independent claim 1, claims 2-20, 22-23, 25, 27, and 29 are also allowable.

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5. Regarding independent claim 30, the prior art of record neither shows or suggests an organic electroluminescent device comprising, in addition to other limitations of the claim, first and second nanostructured organic electroluminescent recovery layers comprising first and second dielectric or organic materials doped with first and second nanoscale metal particles, wherein the first and second nanoscale metal particles comprise Au, Ag, Ge, Se, Sn, Sb, Te, or Ga. Due to their dependency upon independent claim 30, claims 31-34 are also allowable.

- 6. The subject recovery layers described earlier are provided for recovering trapped device light, thereby increasing external quantum efficiency and luminous efficiency of the device. The design is new and unique to the art.
- 7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin Quarterman Examiner

9 June 2006

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